

AMENDMENTS TO THE CLAIMS

Claims 1-27 (Canceled)

Claim 28 (New): A peptide dimer that inhibits CTL-mediated cytotoxicity, wherein the dimer consists of an α - β , β - β , or β - α dimer,

wherein α is R E aa⁷⁷ L R aa⁸⁰⁻⁸³ Y (I) (SEQ ID NO:38),

β is Y aa⁸³⁻⁸⁰ R L aa⁷⁷ E R (II) (SEQ ID NO:39),

or a N-terminal acylated and/or C-terminal amidated or esterified form of said α or β ;

wherein aa⁷⁷ is D, S or N;

aa⁸⁰ is I or N;

aa⁸¹ is A or L;

aa⁸² is R or L; and

aa⁸³ is G or R.

Claim 29 (New): The peptide of claim 28 wherein aa⁸⁰ is I.

Claim 30 (New): The peptide of claim 28 wherein aa⁸² is L.

Claim 31 (New): The peptide of claim 28 wherein aa⁸³ is R.

Claim 32 (New): The peptide of claim 28 wherein at least one of the amino acids is the D-isomer.

Claim 33 (New): The peptide of claim 32 wherein all of the amino acids are the D-isomer.

Claim 34 (New): The peptide of claim 28 which is YRLAIRLNERRENLRIRALRY (SEQ ID NO:26) or YRLAIRLNERYRLAIRLNER (SEQ ID NO:31).

Claim 35 (New): The peptide-type compound of claim 28 which is a peptide and wherein all the amino acid residues in the peptide are gene-encoded.

Claim 36 (New): A composition comprising the peptide of claim 28 and a subtherapeutic dosage of an immunosuppressant, together in an amount sufficient to inhibit transplant rejection in a mammal, in a physiologically acceptable medium.

Claim 37 (New): A method for extending the period of acceptance by a recipient of a transplant from an allogeneic or xenogeneic MHC donor, said method comprising:

administering to said donor in accordance with a therapeutically effective regimen and in an amount effective to extend the period of acceptance of the transplant, the peptide of claim 28; whereby the period of acceptance of the transplant is extended.

Claim 38 (New): The method of claim 37, wherein the peptide is administered in combination with a subtherapeutic dosage of an immunosuppressant, and the period of acceptance is extended as compared to the period which would have resulted from the administering of the immunosuppressant as the subtherapeutic dosage in the absence of the peptide.

Claim 39 (New): A peptide dimer that inhibits CTL-mediated cytotoxicity wherein the peptide dimer consists essentially of RIALRYRLAIR (SEQ ID NO:40), YRLAIRRIALRY (SEQ ID NO:36), or YRLIRYRLAIR (SEQ ID NO:42).

Claim 40 (New): The peptide dimer of claim 39 which is YRLAIRRIALRY (SEQ ID NO:36).

Claim 41 (New): A peptide dimer that inhibits CTL-mediated cytotoxicity, wherein the peptide dimer consists of an α - α dimer,

wherein α is R E aa⁷⁷ L R aa⁸⁰⁻⁸³ Y (I) (SEQ ID NO:38),

or a N-terminal acylated and/or C-terminal amidated or esterified form thereof;

wherein aa⁷⁷ is D, S or N;

aa⁸⁰ is I or N;

aa⁸¹ is A or L;

aa⁸² is R or L; and

aa⁸³ is G or R.